G. R. S. IX-5]

Previous references.

Fancy 102-18 (102)

1921-22

(Fancy)

File No. 33-21

Serial Nos 1 & 2

Later references.

Fin 42-21 (1-3) May 22 -

Med 732-25 (1-2)

Pram

GENERAL AND REVENUE SECRETARIAT.

P-10
E

Serial Nos. 1 & 2

Part B for Jan 22

SUBJECT.

Memorandum of work done by P. Pathasarthi during his deputation in England.

8(2) To The Fancy Censor
" Comptroller
L42 25-6 & 21-1
Record with certain observations
the record of good work done
by Mr. P. Parthasarathi during
his deputation in England.
6 2 22

WD 1888—GPB—16,826—28-7-21

Sany 33-21-1

Department of Public Health in Mysore.

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVT. OF MYSORE,

Bangalore, dated the 29th Decr 1921.

No. C.520-2.
Enc. one.

REVENUE & JUDICIAL SECRETARIAT
R.3690.
3 JAN 1922
LOCAL SELF GOVT BRAN

From

A. K. PANI, ESQ., D.P.H., etc.,
~~Offg.~~ *Sanitary Commissioner with the Government of*
H.H. the Maharaja of Mysore, BANGALORE.

To

C. Venkata Rao, Esq., B.A.,
Secretary to Government,
Revenue Department,
B a n g a l o r e.

Sir,

I have the honor to report that Mr. Parathasarathi Health Officer, who was deputed to undergo an advanced course of study in Bacteriology and Toxicology (under Government Order No. G. 26772-3 Sany. 102-18-2 dated the 29th May 1919), returned from England and reported himself for duty on the forenoon of the 19th instant. The report herewith submitted describes in detail the work he did and the qualifications he obtained.

2. In view of the fact that a special officer is likely to be required either in Mysore or at Karapur, in connection with the forthcoming Royal visit, amd in order to enable me to withdraw him for this duty whenever necessary I have in anticipation of the sanction of Government posted him to the Vaccine Institute to work there pending further orders. He has been instructed to collaberate with the superintendent in devising means for keeping up the potency of the seed lymph. At present, Mr. Parthasarathi is in entire charge of the Vaccine Institute consequent on the Superintendent having been permitted to avail himself of the Xmas and New Year holidays.

3. I shall, in due course, submit proposals for the ....

AKP

29410 192

From

THE SANITARY COMMISSIONER IN MYSORE, BANGALORE.

To

The Rev. Secretary to Govt.
Bangalore.

Dated 29-12-21.

Despatched 31st Decr. 1921.

Received

General No. C. 520-2

No.

GEN'L REV. C
1 - JAN 1922

Enclosure No. One

SUBJECT.

Reporting the fact of the return to duty of Mr. P. Partha-sarthi, Health Officer, and submitting a memorandum on the work done by him in England.

2690

permanent posting of Mr. P. Parthasarathi.

I have the honor to be,

Sir,

Your most obedient servant,

A.K. Rau

Sanitary Commissioner.

Submitted for perusal:

1881

6.1.22.

2nd Member.

Dewan.

9/1/22

3700-154

10.1.22

1) The report is interesting & shows that M. Parthasarathi made good use of his time in Europe. Pending receipt of further proposals from the Sanit. Comm., M. Parthasarathi may continue at H.Q. to be used of the current work. M. Varadarajan of the Medical dept. who has been acting as D.S. Shimoga during M. Parthasarathi's absence is now due & reverts to his own dept.

2) M. Parthasarathi has been here from May talk with him. I am inclined to think that he made the most of his opportunities & add to his professional knowledge.

DEWAN'S OFFICE.
Recd. on JAN 12 1922
Reg. No. 3763.

✓ Dewan)

3) As my interest was of confidential character

11.1.22

11/1 car

14-1-22 for

Memorandum.

As per Government order No. 375-8 dated the 30th. May 1919, I left for England on the 4th. June 1920 and reached the country on the 9th. of the following month.

The following is the work I did during my stay in England:-

1. Took a post graddate course for ~~four~~ one months under the auspices of the Royal Society of Medicine. Joined the University College for D.P.H course in October 1920.

2. Passed the Triple Qualification examination in January 1921, as per sanction of Government.

3. Got through the D. T. M examination in April 1921.

4. Passed the D. P. H. examination in October 1921.

5. Took a special Hospital course in Brompton Hospital for the diseases of ~~children~~ chest and tuberculosis, for three months.

6. Worked for three months in Infectious Diseases Hospital, Fulham. West

7. The Authorities of Lister Institute kindly permitted me to work in the Institute and do research. While working there, I learnt the general routine procedure of Bacteriological examination and did researches on two subjects (1) Precipitation Reaction test, "Sachs Georgi", for Syphilis, - which is expected to replace Wasserman Reaction. In my researches, I prepared an Antigen which gives better results than has hitherto been obtained by anybody. I completed this research before I left and the report on this is with the Authorities of Lister Institute. They said they would publish it in one of the Journals as the results were very interesting.

The other subject on which I was working was Leprosy Bacillus (Kedrowsky ~~ansky~~). I could not complete the work within the short time I had. Dr. Ledhingham, the

Chief Bacteriologist, asked me to stay a year more & complete the work but as it required a stay of nearly another year, if not more I could not continue it. But I have all the material & here to proceed with the research, which I hope to take up again and complete

Another subject to which I devoted special attention in the Lister Institute was the recognition of & bloods of different animals and human from a medico-legal point of view.

In Lister I have learnt how to do experimental Pathology work and I was doing the same. →

I also made myself familiar with the technique of preparing plague, gonococcus, staphylococcus &c. vaccines.

8. As per orders of the Sanitary Commissioner, I took a special course in Practical Toxicology and Forensic Medicine under Dr. Stuart, Public Analyst and Professor in Toxicology in King's College, in the Royal Institute of Public Health.

9. I learnt in the Government Calf Lymph Vaccine Institute how calf lymph vaccine is prepared in London. I am indebted to Dr. Ledhingham for kindly arranging with the Authorities to allow me to learn the work.

Dr. ~~Franlin~~ Fraulin of the Vaccine Institute was kind enough to teach me everything about it.

10. Visited the Burrhoughs Wellcome Serum Farm to learn how they prepare anti-diphtheritic serum and the method of standardisation and measuring of toxicity.

11. In the London School of Tropical Medicine attended a series of special lectures given by Leishman on Relapsing-Fever and his researches in the field and lectures on Tropical Water Supply by Col. Clemeshaw and his bacteriological technique as applied to the Tropics according to his researches in India.

12. I took the general course in the School of Tropical Medicine and I got through both the School Examination (which is recognised by the Government of India) and the Diploma Examination of the Conjoined Board of London - D.T.M (London).

In

In the Tropical School studied Medical Entomology, Helminthology, Protozoology and General Parasitology and General Pathology.

2. I left for Berlin. While I was in Berlin, I visited Koch's Institute and Virchows Hospital and Laboratory. In Koch's Institute I saw the researches on Dorell's phenomena or phenomena of Bacteriolag - i.e., destruction of bacteria by their own ferments (?) (or super parasite) in older cultures - researches on streptococci with reference to mutation of ~~bacteria~~ bacteria, conversion of Haemolytic to Non-haemolytic, researches on the cultivation of Spirochaetae of Relapsing Fever, small-pox and chicken-pox Clamitozoa bodies.

In the Laboratory on the ~~Chemical~~ clinical side I saw the comparative tests they were doing in Syphilis - Wasserman, Sachs' Georgi and Monier's reaction.

3. In the Clinical Laboratory of Virchow, they were not doing any research at the time and I could see only the fittings of the Laboratory and the regular routine work

4. I went to Paris and worked with Dr. Weinberg to whom I got introduced by Dr. Bedson of the Lister Institute.

In the Pasteur Institute, I learnt the preparation of anti-sera for diphtheria, tetanus, gas gangrene and other anaerobic organisms; the complement fixation test for tubercle bacilli; the anti-rabbies vaccine and its preparation; the complement fixation test or Weinberg's Reaction for Hydratid disease.

5. Dr. Weinberg introduced me to Prof. Morchow who is doing special work on Leprosy. We discussed on the subject and he was kind enough to give me two infected rats to continue the work. Of these, one died. The other is alive and in the Public Health Institute at present

6. Dr. Weinberg introduced me to Dr. Camus, the Medical Officer in charge of Calf Lymph Department of Academy de Medicine. He was kind enough to let me know how they prepare the vaccine and their methods of preservation and distribution. I learnt them and also the selection of

good material for distribution (i.e) by bacteriological examination. The method of carrying on the seed lymph (calf vaccine against small-pox) from generation to generation by passage through animals was also shown to me . In London they have kept up the potency of the ~~&&&&&~~ starin twenty years without deterioration.

7. On the whole the time spent on deputation was from 4th. June 1920 to 18th. December 1921, including journeys to and fro. As instructed by Government and the Sanitary Commissioner I devoted most time and attention to advanced laboratory methods and the technique of conducting researches. At the same time, I have studied Toxicological work and the tests for the recognition of Human Blood as specially instructed by the Sanitary Commissioner.

8. I should have been glad to have remained longer to continue the research work that I undertook and, I was in fact strongly advised by Dr. Ledhingham, F.R.S., Chief Bacteriologist, to prolong my stay for another year. As however, the term originally sanctioned by Government had already been extended by four months, I was not in a position to ask for any more extension.

Bangalore,
19th. Dec. 1921.

Sa. R. Parthasarathy

Health Officer.

Copy.

Sanitary Commissioner,
MYSORE GOVERNMENT.

G. R. S. III-2]

3690

General and Revenue Secretariat.

Saw File No. 33 of 1921.

Serial No.	
	5/ Submits a draft recording for approval
3857-104. 23-1-22.	17.1.22 (2nd Member) 21/1/22
2.	To 6/ Done & approved Recd The Commissioner 26-1-22 The Controller 7/ Issued 1501 4275-6 Dt 31-1-22. Record with Certain observations the Record of Post work done by Mr O. Parthasarthi during his deputation.

REVENUE & JUDICIAL SECRETARIAT. 3 FEB 1922 LOCAL SELF GOVT. BRANCH.

NOTE—Contn. sheet.

G.R.S. VI-71]

SUBJECT.....

.....

.....

Diary No. of letter replied to 3690

Section San

File No. 33-24

Serial No. 2

General and Revenue Secretariat

Proceedings of the Government of His Highness the Maharaja of Mysore.

)

the *191*

Date of issue 31-1-22

Signed by Mr. D-C-S.

Read—

G.O. no Q. 26772-3/San 102-18-2 dated 29-5-1919 sanctioning the deputation of Mr. P. Pathasarathi, Health Officer, to undergo advanced course of study in Bacteriology & Zoöcology &c in England

2. Letter no C.520-2 & 29.12.2 from the Sanitary Commissioner stating ~~Order Thereon No.~~ inquire reporting that Mr Pathasarathi returned from England & reported himself for duty on the forenoon of 19.12.21 & submitted a memorandum describing in detail the work done and the qualifications

May this be

i Printed ?

ii treated as a standing order ?

iii published in the Gazette, English Part ?

iv translated ?

v placed at the disposal of the press ?

vi published in the Gazette, Kannada Part ?

qualifications ~~to~~ obtained by Mr Parthasarathi.

Order no. L.4275-6.

Recorded with the observation that the report is ~~a very~~ an interesting record of good work done during the deputation ~~and that Mr Partha~~ sarathi has made the most of his opportunities to add to his professional ~~knowledge~~

Rev Secy to Govt

Peel
26-1-22

do

The Sanitary Commr in Bangalore

Compliments

List of enclosures.

7-1-22

Copied by

Examined by

WD 1744—GPB -30,000—17-3-1922